

PTO/SB/08B (10-01)

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| Substitute for form 1449B/PTO | | | | Complete If Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application Number | 09/767,597 |
| (use as many sheets as necessary) | | | | Filing Date | January 22, 2001 |
| | | | | First Named Inventor | Timothy J. JEGLA |
| | | | | Art Unit | 1646 |
| | | | | Examiner Name | Chernyshev, Olga |
| | | | | Attorney Docket Number | 018512-002211US |
| Sheet | 1 | of | 2 | RECEIVED JAN 22 2003 TECH CENTER 1600/2000 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|-------------------|---|---|
| | | Document Number | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| Examiner | Cite No. ¹ | Number Kind Code ² (if known) | MM-DD-YYYY | | |
| OC | 1 | PCT WO 00/29448 | A2, A3 05-25-2000 | | T ³ |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---------------------------|---------------------|-----------------------------------|---|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (if known) | | |
| OC | 1 | PCT | WO 00/29448 | A2, A3 | 05-25-2000 | T ³ |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | | | | |
|--|-----------------------|---|--|--|--|--|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | | |
| | 2 | EMBL Online, Database Accession No. Al571225, visited on October 29, 2002. | | | | |
| | 3 | FRINGS, S. et al. "Characterization of ether-à-go-go channels present in photoreceptors reveals similarity to I _K , a K ⁺ current in rod inner segments," <i>J. Gen. Physiol.</i> April 1998, pp. 583-599, Vol. 131 | | | | |
| OC | 4 | GENESEQ Online, Database Accession No. AAA6205 February 2, 2001 (Acquired from Derwent). | | | | |
| | 5 | GENESEQ Online, Database Accession No. AAB12147, visited on November 4, 2002. | | | | |
| | 6 | JEGLA, T. et al. "Cloning and expression of a novel hyperpolarization-activated cation channel, human HCN3," <i>Society for neuroscience Abstracts, 29th Annual Meeting; Miami Beach, Florida, USA</i> October 23-28, 1999, pg. 1, Abstract No. 893.6. | | | | |
| | 7 | LUDWIG, A. et al. "Two pacemaker channels from human heart with profoundly different activation kinetics," <i>EMBO J.</i> May 4, 1999, pp. 2323-2329, Vol. 18, No. 9. | | | | |
| | 8 | SANTORO, B. and TIBBS, G.R. "The HCN gene family: molecular basis of the hyperpolarization-activated pacemaker channels," <i>Annals of the New York Academy of Sciences</i> April 30, 1999, pp. 741-764, Vol. 868. | | | | |

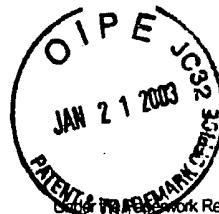
| | | | |
|--------------------|-------------------|-----------------|----------|
| Examiner Signature | <i>Chernyshev</i> | Date Considered | 10/20/04 |
|--------------------|-------------------|-----------------|----------|

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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| Application Number | 09/767,597 |
| Filing Date | January 22, 2001 |
| First Named Inventor | Timothy J. JEGLA |
| Art Unit | 1646 |
| Examiner Name | Chernyshev, Olga |
| Attorney Docket Number | 018512-002211US |

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|-----------------------|---|----------------|
| jl | 9 | SWALL Online, Database Accession No. 018965, visited on October 29, 2002. | |

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|--------------------|-------------------|-----------------|----------|
| Examiner Signature | <i>Chernyshev</i> | Date Considered | 10/20/04 |
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|---|---|--------------------------------------|---------|-----------------------------|-----------|
| FORM PTO-1449 (Modified) | | Attorney Docket No.: 018512-002210US | | Application No.: 09/548,933 | |
| LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | Applicant: Timothy J. Jegla | | | |
| | | Filing Date: April 13, 2000 | | Group: 1646 | |
| Reference Designation | | U.S. PATENT DOCUMENTS | | | |
| Examiner Initial | Document No. | Date | Name | Class | Sub-class |
| | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | |
| | Document No. | Date | Country | Class | Sub-class |
| | | | | | |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | |
| <i>AC</i> AA | Ludwig, et al., "A family of hyperpolarization-activated mammalian cation channels"; <i>Nature</i> , Vol. 393, p. 587-591, (June 1998) | | | | |
| <i>AC</i> AB | Santoro, et al., "Interactive cloning with the SH3 domain of N-src identifies a new brain specific ion channel protein, with homology to Eag and cyclic nucleotide-gated channels", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 94, p. 14815-14820 (Dec. 1997) | | | | |
| <i>AC</i> AC | Santoro, et al., "Identification of a Gene Encoding a Hyperpolarization-Activated Pacemaker Channel of Brain"; <i>Cell</i> , Vol. 93, p. 717-729, (May, 1998) | | | | |
| EXAMINER | <i>Alleyne</i> | | | | |
| | DATE CONSIDERED <i>10/20/04</i> | | | | |

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